

REMARKS

Claims 1-14 are pending in the present application. Applicant has amended claims 1, 7, 13 and 14. Applicant respectfully requests reconsideration of the pending claims in view of the foregoing amendments and the following statements.

Pursuant to telephone conferences with the Examiner regarding the above-identified application, applicant has amended the claims to more succinctly describe the claimed invention.

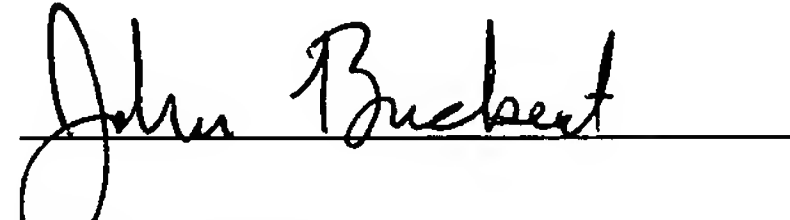
Support for the amendments can be found throughout the specification and the claims. Accordingly, applicant submits that no new matter has been introduced by the foregoing amendments.

Claims 1-14 were rejected under 35 U.S.C. §101 based on the claimed invention lacking patentable utility. Applicant has amended independent claims 1, 7, 13, and 14 include the following limitations: "generating the desired output waveform associated with the device utilizing a subset of the first plurality of spectral amplitude values associated with the first plurality of desired frequency values, and a subset of the second plurality of spectral amplitude values associated with the second plurality of desired frequency values, and a dynamic model of the device, such that a computational time for generating the desired output waveform is reduced as compared to utilizing an entire frequency domain spectrum associated with the first and second forcing waveforms and the dynamic model." Thus, the recited system and method generates a desired output waveform associated with a device, which is a concrete tangible result. Accordingly, applicant submits that independent claims 1, 7, 13 and 14, and claims 2-6 and claims 8-12 which depend from claims 1 and 7, respectively, satisfy the requirements of 35 U.S.C. §101 and are now in condition for allowance.

If for any reason the Examiner feels that consultation with the attorney identified below would be helpful in the advancement of the prosecution, the Examiner is invited to call the attorney at the telephone number listed below.

If there are any charges due with respect to this Amendment or otherwise,
please charge them to Deposit Account No. 06-1130.

Respectfully submitted,

A handwritten signature in cursive script, reading "John F. Buckert", is written over a horizontal line.

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